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Customer Number



Patent

Case No.: 58460US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: VERNSTROM, GEORGE D.
Application No.: 10/674594 Group Art Unit: 1754
Filed: September 29, 2003 Examiner: Thomas H. Parsons
Title: FUEL CELL CATHODE CATALYST

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]

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May 30, 2005
DatePhyllis J. Boettcher
Signed by: Phyllis J. Boettcher

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed. Copies of any pending U.S. applications filed after June 30, 2003 that can be accessed on the USPTO's IFW system are not enclosed as per USPTO Waiver dated September 21, 2004. Copies of any U.S. patents and published U.S. patent applications are not enclosed.

Under 37 CFR § 1.97(e)(1), I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

A copy of the Search Report from a foreign counterpart application is enclosed.

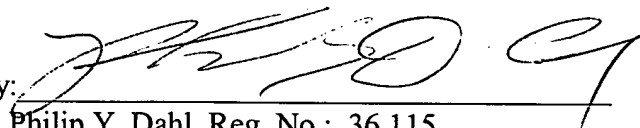
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Respectfully submitted,

Date

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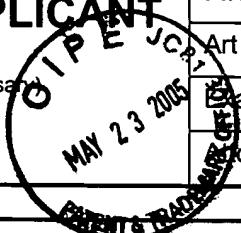


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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 2	Application Number	10/674594
	Filing Date	September 29, 2003
	First Named Inventor	Vernstrom, George D.
	Art Unit	1754
	Examiner Name	Thomas H. Parsons
	Attorney Case Number	58460US002



U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 4,316,944	02/23/1982	Landsman et al.	
	A2	US- 6,300,000 B1	10/09/2001	Cavalca et al.	
	A3	US- 6,482,763 B2	11/19/2002	Haugen et al.	
	A4	US- 2002/146614 A1	10/10/2002	Norskov et al.	
	A5	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (If known)				
	B1	EP	0 827 225 A2	03/04/1998	N. E. Chemcat Corporation		
	B2	WO	03/073541 A1	09/04/2003	Symyx Technologies, Inc.		
	B3						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	Sanjeev Mukerjee and Supramaniam Srinivasan; "Enhanced Electrocatalysis of Oxygen Reduction on Platinum Alloys in Proton Exchange Membrane Fuel Cells", <u>Journal of the Electroanalytical Chemistry</u> , Lausanne, CH, Vol. 357, 1993, pp. 201 – 224.	
	C2	U. A. Paulus, A. Wokaun, G. g. Scherer, T. J. Schmidt, V. Stamenkovic, N. M. Markovic, and P. N. Ross; "Oxygen Reduction on High Surface Area Pt-based Alloy Catalysts in Comparison to Well Defined Smooth Bulk Alloy Electrodes", <u>Electrochimica Acta</u> , Elsevier Science Publishers, Barking, GB, Vol. 47, No. 22 – 23, August 30, 2002, pp. 3787 – 3798.	
	C3	A. K. Shukla, M. Neergat, Parthasarathi Bera, V. Jayaram, and M. S. Hegde; "An XPS Study on Binary and Ternary Alloys of Transition Metals With Platinized Carbon and Its Bearing Upon Oxygen Electroreduction in Direct Methanol Fuel Cells", <u>Journal of Electroanalytical Chemistry</u> , Vol. 504, No. 1, 2001, pp. 111 – 119.	
	C4	Takako Toda, Hiroshi Igarashi, Hiroyuki Uchida, and Masahiro Watanabe; "Enhancement of the Electroreduction of Oxygen on Pt Alloys With Fe, Ni, and Co", <u>Journal of the Electrochemical Society</u> , Vol. 146, No. 10, October 1999, pp. 3750 – 3756.	

*Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	C5	A. Lima, C. Coutanceau, J. M. Leger, and C. Lamy; "Investigation of Ternary Catalysts for Methanol Electrooxidation", <u>Journal of Applied Electrochemistry</u> , Chapman and Hall. London, GB, Vol. 31, 2001, pp. 379 – 386.	
	C6	Peter Strasser, Qun Fan, Martin Devenney, and W. Henry Weinberg; "High Throughput Experimental and Theoretical Predictive Screening of Materials – A Comparative Study of Search Strategies for New Fuel Cell Anode Catalysts", <u>Journal of Physical Chemistry B</u> , Vol. 107, No. 40, September 17, 2003, pp. 11013 – 11021.	
	C7		
	C8		

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